

ABSTRACT OF THE DISCLOSURE

A method of manufacturing or handling a substantially pure object includes shielding the substantially pure object from the environment by substantially enveloping the object in a fluid. A system for manufacturing a substantially pure object includes a mold for forming the object, and a machine adapted to remove the object from the mold. The machine includes a handling device for gripping the object and removing it from the mold. The handling device includes at least one nozzle through which fluid is delivered to substantially envelope the object during, for example, removal of the object from the mold. The object may be a medical object, such as a syringe, or a component or part thereof, such as a syringe barrel or plunger. In a preferred aspect, a molding process is conducted in a room exhibiting less than Class 100 conditions and/or in such a way that the object does not need to be subsequently cleaned or rinsed, as by air or water washing.